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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Bruno GHYSELEN et al.

Confirmation No.: 2668

Application No.: 10/726,039

Group Art Unit: 2818

Filing Date: December 1, 2003

Examiner: Dung Anh Le

For: RECYCLING OF A WAFER COMPRISING A  
BUFFER LAYER AFTER HAVING  
SEPARATED A THIN LAYER THEREFROM  
BY MECHANICAL MEANS

Attorney Docket No.: 4717-8600

**REQUEST FOR CORRECTION OF FILING RECEIPT**

**Office of Initial Patent Examination**

**Customer Service Center**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

A Filing Receipt for the above-identified application has been received and the following corrections are respectfully requested.

Please correct the name of applicant "Yves-Mathieu VAILLANT" to -- Yves-Mathieu LE VAILLANT --. A Supplemental Declaration signed by Mr. Le Vaillant is enclosed.

At "Domestic Priority data as claimed by applicant," please change "PCT/FR03/02578" to -- PCT/IB2003/004029 --. An Amendment After Allowance to correct the error in the specification is being filed concurrently herewith, a copy of which is attached hereto.

A marked-up copy of the Filing Receipt with the requested changes noted thereon is attached. Please issue a corrected Filing Receipt in due course.

No fee is believed to be due for this submission. Should any fees be required, however, please charge such fees to Winston & Strawn LLP Deposit Account No. 50-1814.

Respectfully submitted,

12/16/05  
Date

Allan A. Fanucci  
Allan A. Fanucci (Reg. No. 30,256)

**WINSTON & STRAWN LLP**  
**Customer No. 28765**

212-294-3311



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
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| APPL NO.   | FILING OR 371<br>(c) DATE | ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO | DRAWINGS | TOT CLMS | IND CLMS |
|------------|---------------------------|----------|---------------|-----------------|----------|----------|----------|
| 10/726,039 | 12/01/2003                | 2812     | 914           | 4717-8600       | 3        | 28       | 2        |

CONFIRMATION NO. 2668

28765  
WINSTON & STRAWN  
PATENT DEPARTMENT  
1400 L STREET, N.W.  
WASHINGTON, DC 20005-3502

## FILING RECEIPT



\*OC000000012006021\*

Date Mailed: 03/02/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

## Applicant(s)

Bruno Ghyselen, Seyssinet-Pariset, FRANCE;  
Cecile Aulnette, Grenoble, FRANCE;  
Benedite Osternaud, Saint Egreve, FRANCE;  
Yves-Mathieu Vaillant Crolles, FRANCE;  
Takeshi Akatsu, Saint Nazaire Les Eymes, FRANCE;

Le Vaillant

## Domestic Priority data as claimed by applicant

This application is a CON of PCT/FR03/02578 08/26/2003  
and claims benefit of 60/431,930 12/09/2002

PCT/1B2003/004029

## Foreign Applications

FRANCE 0210588 08/26/2002

If Required, Foreign Filing License Granted: 03/01/2004

Projected Publication Date: 06/10/2004

Non-Publication Request: No

Early Publication Request: No

**Title**

Recycling of a wafer comprising a buffer layer after having separated a thin layer therefrom by mechanical means

**Preliminary Class**

438

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

**GRANTED**

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

**NOT GRANTED**

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

**SUPPLEMENTAL DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

**RECYCLING OF A WAFER COMPRISING A BUFFER LAYER AFTER HAVING  
SEPARATED A THIN LAYER THEREFROM BY MECHANICAL MEANS**

and for which a patent application was filed in the United States on December 1, 2003 as Application No. 10/726,039.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

| EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION |         |                                      |                                                                     |
|--------------------------------------------------------------------------------------------|---------|--------------------------------------|---------------------------------------------------------------------|
| APPLICATION<br>NUMBER                                                                      | COUNTRY | DATE OF FILING<br>(day, month, year) | PRIORITY CLAIMED                                                    |
| 0210558                                                                                    | France  | 26 August 2002                       | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
|                                                                                            |         |                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO            |


I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below.

| PROVISIONAL APPLICATION NUMBER | FILING DATE      |
|--------------------------------|------------------|
| 60/431,930                     | December 9, 2002 |
|                                |                  |

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

| NON-PROVISIONAL<br>APPLICATION NO. | FILING DATE     | STATUS   |         |           |
|------------------------------------|-----------------|----------|---------|-----------|
|                                    |                 | PATENTED | PENDING | ABANDONED |
| PCT/IB2003/004029                  | August 26, 2003 |          | X       |           |
|                                    |                 |          |         |           |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

|     |                         |                                                                                                                              |                                           |                                         |                          |
|-----|-------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------|
| 201 | FULL NAME OF INVENTOR   | LAST NAME<br><b>GHYSELEN</b>                                                                                                 | FIRST NAME<br><b>Bruno</b>                | MIDDLE NAME                             |                          |
|     | RESIDENCE & CITIZENSHIP | CITY<br><b>Seyssinet-Pariset</b>                                                                                             | STATE OR FOREIGN COUNTRY<br><b>France</b> | COUNTRY OF CITIZENSHIP<br><b>France</b> |                          |
|     | POST OFFICE ADDRESS     | STREET<br><b>58, rue Georges Maeder</b>                                                                                      | CITY<br><b>Seyssinet-Pariset</b>          | STATE OR COUNTRY<br><b>France</b>       | ZIP CODE<br><b>38170</b> |
|     |                         | SIGNATURE OF BRUNO GHYSELEN                                                                                                  |                                           | DATE                                    |                          |
| 202 | FULL NAME OF INVENTOR   | LAST NAME<br><b>AULNETTE</b>                                                                                                 | FIRST NAME<br><b>Cécile</b>               | MIDDLE NAME                             |                          |
|     | RESIDENCE & CITIZENSHIP | CITY<br><b>Grenoble</b>                                                                                                      | STATE OR FOREIGN COUNTRY<br><b>France</b> | COUNTRY OF CITIZENSHIP<br><b>France</b> |                          |
|     | POST OFFICE ADDRESS     | STREET<br><b>3, Place des Tilleuls</b>                                                                                       | CITY<br><b>Grenoble</b>                   | STATE OR COUNTRY<br><b>France</b>       | ZIP CODE<br><b>38000</b> |
|     |                         | SIGNATURE OF CÉCILE AULNETTE                                                                                                 |                                           | DATE                                    |                          |
| 203 | FULL NAME OF INVENTOR   | LAST NAME<br><b>OSTERNAUD</b>                                                                                                | FIRST NAME<br><b>Bénédite</b>             | MIDDLE NAME                             |                          |
|     | RESIDENCE & CITIZENSHIP | CITY<br><b>Saint Egreve</b>                                                                                                  | STATE OR FOREIGN COUNTRY<br><b>France</b> | COUNTRY OF CITIZENSHIP<br><b>France</b> |                          |
|     | POST OFFICE ADDRESS     | STREET<br><b>26, rue Lieutenant Fiancéy</b>                                                                                  | CITY<br><b>Saint Egreve</b>               | STATE OR COUNTRY<br><b>France</b>       | ZIP CODE<br><b>38120</b> |
|     |                         | SIGNATURE OF BÉNÉDITE OSTERNAUD                                                                                              |                                           | DATE                                    |                          |
| 204 | FULL NAME OF INVENTOR   | LAST NAME<br><b>LE VAILLANT</b>                                                                                              | FIRST NAME<br><b>Yves-Mathieu</b>         | MIDDLE NAME                             |                          |
|     | RESIDENCE & CITIZENSHIP | CITY<br><b>Crolles</b>                                                                                                       | STATE OR FOREIGN COUNTRY<br><b>France</b> | COUNTRY OF CITIZENSHIP<br><b>France</b> |                          |
|     | POST OFFICE ADDRESS     | STREET<br><b>271, rue Gaston Angelier</b>                                                                                    | CITY<br><b>Crolles</b>                    | STATE OR COUNTRY<br><b>France</b>       | ZIP CODE<br><b>38920</b> |
|     |                         | SIGNATURE OF YVES-MATHIEU LE VAILLANT<br> |                                           | DATE<br><b>08/31/2004</b>               |                          |

|             |                             |                                        |                                           |                                        |                          |
|-------------|-----------------------------|----------------------------------------|-------------------------------------------|----------------------------------------|--------------------------|
| 2<br>0<br>5 | FULL NAME OF INVENTOR       | LAST NAME<br><b>AKATSU</b>             | FIRST NAME<br><b>Takeshi</b>              | MIDDLE NAME                            |                          |
|             | RESIDENCE & CITIZENSHIP     | CITY<br><b>Saint Nazaire Les Eymes</b> | STATE OR FOREIGN COUNTRY<br><b>France</b> | COUNTRY OF CITIZENSHIP<br><b>Japan</b> |                          |
|             | POST OFFICE ADDRESS         | STREET<br><b>9, Place de l'Eglise</b>  | CITY<br><b>Saint Nazaire Les Eymes</b>    | STATE OR COUNTRY<br><b>France</b>      | ZIP CODE<br><b>38330</b> |
|             | SIGNATURE OF TAKESHI AKATSU |                                        |                                           | DATE                                   |                          |



**COPY**

**UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Bruno GHYSELEN et al.

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Application No.: 10/726,039

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SEPARATED A THIN LAYER THEREFROM  
BY MECHANICAL MEANS

Attorney Docket No.: 4717-8600

**AMENDMENT AFTER ALLOWANCE**

**Mail Stop Issue Fee**

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Sir:

Pursuant to 37 C.F.R. § 1.312 and MPEP 714.16, applicants submit the following amendments and remarks for entry into the record of this application.

**AMENDMENT TO THE SPECIFICATION** appears on page 2 of this paper.

**REMARKS** begin on page 3 of this paper.

No fee is believed to be due for this response. Should any fees be required, however, please charge such fees to Winston & Strawn LLP Deposit Account No. 50-1814.



## **AMENDMENT TO THE SPECIFICATION**

Please replace paragraph [0001] with the following amended paragraph:

This application is a continuation of International application ~~PCT/FR03/02578~~  
PCT/IB2003/004029 filed Aug. 26, 2003, and claims the benefit of U.S. provisional application  
No. 60/431,930 filed Dec. 9, 2002. The entire content of each application is expressly  
incorporated herein by reference thereto.

## REMARKS

Claims 1-19, 23-25 and 29-39 are pending for the Examiner's review and consideration.

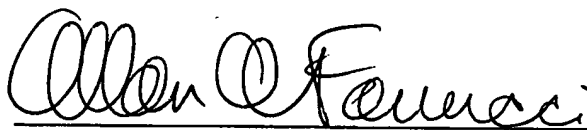
In response to the Notice of Allowance mailed November 25, 2005, applicants have reviewed the file and discovered an inadvertent clerical error in the application number of the priority International application no. PCT/IB2003/004029. The specification has been amended herein to correct the application number.

Also, a Supplemental Declaration is enclosed to correct the spelling of inventor Yves-Mathieu LE VAILLANT. Mr. LeVaillant's declaration properly identifies the priority International application.

As no new matter has been introduced, the amendment should be entered at this time to correct the inadvertent error since this paper is being submitted prior to payment of the issue fee.

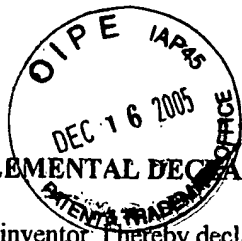
Respectfully submitted,

12/16/05  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Allan A. Fanucci (Reg. No. 30,256)

**WINSTON & STRAWN LLP**  
**Customer No. 28765**

212-294-3311

**SUPPLEMENTAL DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

**RECYCLING OF A WAFER COMPRISING A BUFFER LAYER AFTER HAVING  
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and for which a patent application was filed in the United States on December 1, 2003 as Application No. 10/726,039.

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| EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION |         |                                      |                                                                     |
|--------------------------------------------------------------------------------------------|---------|--------------------------------------|---------------------------------------------------------------------|
| APPLICATION<br>NUMBER                                                                      | COUNTRY | DATE OF FILING<br>(day, month, year) | PRIORITY CLAIMED                                                    |
| 0210558                                                                                    | France  | 26 August 2002                       | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
|                                                                                            |         |                                      | <input type="checkbox"/> YES <input type="checkbox"/> NO            |

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|--------------------------------|------------------|
| 60/431,930                     | December 9, 2002 |
|                                |                  |

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| NON-PROVISIONAL<br>APPLICATION NO. | FILING DATE     | STATUS   |         |           |
|------------------------------------|-----------------|----------|---------|-----------|
|                                    |                 | PATENTED | PENDING | ABANDONED |
| PCT/IB2003/004029                  | August 26, 2003 |          | X       |           |
|                                    |                 |          |         |           |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

|             |                                                           |                                             |                                           |                                         |                          |
|-------------|-----------------------------------------------------------|---------------------------------------------|-------------------------------------------|-----------------------------------------|--------------------------|
| 2<br>0<br>1 | FULL NAME OF INVENTOR                                     | LAST NAME<br><b>GHYSELEN</b>                | FIRST NAME<br><b>Bruno</b>                | MIDDLE NAME                             |                          |
|             | RESIDENCE & CITIZENSHIP                                   | CITY<br><b>Seyssinet-Pariset</b>            | STATE OR FOREIGN COUNTRY<br><b>France</b> | COUNTRY OF CITIZENSHIP<br><b>France</b> |                          |
|             | POST OFFICE ADDRESS                                       | STREET<br><b>58, rue Georges Maeder</b>     | CITY<br><b>Seyssinet-Pariset</b>          | STATE OR COUNTRY<br><b>France</b>       | ZIP CODE<br><b>38170</b> |
|             | SIGNATURE OF BRUNO GHYSELEN                               |                                             |                                           | DATE                                    |                          |
| 2<br>0<br>2 | FULL NAME OF INVENTOR                                     | LAST NAME<br><b>AULNETTE</b>                | FIRST NAME<br><b>Cécile</b>               | MIDDLE NAME                             |                          |
|             | RESIDENCE & CITIZENSHIP                                   | CITY<br><b>Grenoble</b>                     | STATE OR FOREIGN COUNTRY<br><b>France</b> | COUNTRY OF CITIZENSHIP<br><b>France</b> |                          |
|             | POST OFFICE ADDRESS                                       | STREET<br><b>3, Place des Tilleuls</b>      | CITY<br><b>Grenoble</b>                   | STATE OR COUNTRY<br><b>France</b>       | ZIP CODE<br><b>38000</b> |
|             | SIGNATURE OF CÉCILE AULNETTE                              |                                             |                                           | DATE                                    |                          |
| 2<br>0<br>3 | FULL NAME OF INVENTOR                                     | LAST NAME<br><b>OSTERNAUD</b>               | FIRST NAME<br><b>Bénédite</b>             | MIDDLE NAME                             |                          |
|             | RESIDENCE & CITIZENSHIP                                   | CITY<br><b>Saint Egreve</b>                 | STATE OR FOREIGN COUNTRY<br><b>France</b> | COUNTRY OF CITIZENSHIP<br><b>France</b> |                          |
|             | POST OFFICE ADDRESS                                       | STREET<br><b>26, rue Lieutenant Fiancey</b> | CITY<br><b>Saint Egreve</b>               | STATE OR COUNTRY<br><b>France</b>       | ZIP CODE<br><b>38120</b> |
|             | SIGNATURE OF BÉNÉDITE OSTERNAUD                           |                                             |                                           | DATE                                    |                          |
| 2<br>0<br>4 | FULL NAME OF INVENTOR                                     | LAST NAME<br><b>LE VAILLANT</b>             | FIRST NAME<br><b>Yves-Mathieu</b>         | MIDDLE NAME                             |                          |
|             | RESIDENCE & CITIZENSHIP                                   | CITY<br><b>Crolles</b>                      | STATE OR FOREIGN COUNTRY<br><b>France</b> | COUNTRY OF CITIZENSHIP<br><b>France</b> |                          |
|             | POST OFFICE ADDRESS                                       | STREET<br><b>271, rue Gaston Angelier</b>   | CITY<br><b>Crolles</b>                    | STATE OR COUNTRY<br><b>France</b>       | ZIP CODE<br><b>38920</b> |
|             | SIGNATURE OF YVES-MATHIEU LE VAILLANT<br><i>Y Mathieu</i> |                                             |                                           | DATE<br><i>08/31/2004</i>               |                          |

|             |                         |                                        |                                           |                                        |                          |
|-------------|-------------------------|----------------------------------------|-------------------------------------------|----------------------------------------|--------------------------|
| 2<br>0<br>5 | FULL NAME OF INVENTOR   | LAST NAME<br><b>AKATSU</b>             | FIRST NAME<br><b>Takeshi</b>              | MIDDLE NAME                            |                          |
|             | RESIDENCE & CITIZENSHIP | CITY<br><b>Saint Nazaire Les Eymes</b> | STATE OR FOREIGN COUNTRY<br><b>France</b> | COUNTRY OF CITIZENSHIP<br><b>Japan</b> |                          |
|             | POST OFFICE ADDRESS     | STREET<br><b>9, Place de l'Eglise</b>  | CITY<br><b>Saint Nazaire Les Eymes</b>    | STATE OR COUNTRY<br><b>France</b>      | ZIP CODE<br><b>38330</b> |
|             |                         | SIGNATURE OF TAKESHI AKATSU            |                                           |                                        | DATE                     |